

U.S. PATENT & TRADEMARK OFFICE
JUL 01 2005




Group Art Unit: 3723

Examiner: Alvin J. Grant

**For: Articles for Polishing
Semiconductor Substrates**

CERTIFICATE OF MAILING
37 CFR 1.8

I hereby certify that this correspondence is being deposited on 6/29, 2005 with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

6/29/05 
Date Signature

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made of that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Commissioner is hereby authorized to charge the sum of \$180.00 due under 37 CFR § 1.17(p) pursuant to § 1.97, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/5765/KMT.

Respectfully submitted,



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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
Submission Date	JUNE 29, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-1,601,642	9/28/1926	Parker	
	A2	US-1,927,162	9/19/1933	Fiedler et al.	
	A3	US-2,112,691	3/29/1938	Crowder	
	A4	US-2,240,265	4/29/1941	Nachtman	
	A5	US-2,392,687	1/8/1946	Nachtman	
	A6	US-2,431,065	11/18/1947	Miller	
	A7	US-2,451,341	10/12/1948	Jemstedt	
	A8	US-2,453,481	11/9/1948	Wilson	
	A9	US-2,454,935	11/30/1948	Miller	
	A10	US-2,456,185	12/14/1948	Grube	
	A11	US-2,457,510	12/28/1948	van Ornum	
	A12	US-2,458,676	1/11/1949	Brenner et al.	
	A13	US-2,461,556	2/15/1949	Lorig	
	A14	US-2,473,290	6/14/1949	Millard	
	A15	US-2,477,808	8/2/1949	Jones	
	A16	US-2,479,323	8/16/1949	Davis	
	A17	US-2,480,022	8/23/1949	Hogaboom	
	A18	US-2,490,055	12/6/1949	Hoff	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 1 361 023	11/12/2003	Applied Materials		
	B2	JP 58-171264 (English abstract)	10/7/1983	Nitto Electric		X
	B3	JP 61-079666 (English abstract)	4/23/1986	Fujitsu		X
	B4	JP 61-265279 (English abstract)	11/25/1986	Tohoku Metal Ind. Ltd.		X
	B5	JP 63-028512 (English abstract)	2/6/1988	Hitachi Ltd.		X

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		Number-Kind Code ² (if known)			
	A19	US-2,495,695	1/31/1950	Camin et al.	
	A20	US-2,500,205	3/14/1950	Schaefer	
	A21	US-2,500,206	3/14/1950	Schaefer et al.	
	A22	US-2,503,863	4/11/1950	Bart	
	A23	US-2,506,794	5/9/1950	Kennedy et al.	
	A24	US-2,509,304	5/30/1950	Klein	
	A25	US-2,512,328	6/20/1950	Hays	
	A26	US-2,517,907	8/8/1950	Mikulas	
	A27	US-2,519,945	8/22/1950	Twele et al.	
	A28	US-2,530,677	11/21/1950	Berkenkotter et al.	
	A29	US-2,535,966	12/26/1950	Teplitz	
	A30	US-2,536,912	1/2/1951	Cobertt	
	A31	US-2,539,898	1/30/1951	Davis	
	A32	US-2,540,175	2/6/1951	Rosenqvist	
	A33	US-2,544,510	3/6/1951	Prahl	
	A34	US-2,549,678	4/17/1951	Fiandt	
	A35	US-2,554,943	5/13/1951	Farmer	
	A36	US-2,556,017	6/5/1951	Vonada	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B6	JP 05-277957 (English abstract)	10/26/1993	Nippon Micro Kooteingu KK		X
	B7	JP 10-006213 (English abstract)	1/13/1998	Tokyo Seimitsu Co Ltd		X
	B8	JP 11-329961 Now JP 2870537 (English abstract)	3/17/1999	NEC Corp		X
	B9	JP 11-239961 (English abstract)	7/09/1999	NEC Corp		X

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		Number-Kind Code ² (if known)			
	A37	US-2,560,534	7/17/1951	Adler	
	A38	US-2,560,966	7/17/1951	Lee	
	A39	US-2,569,577	10/2/1951	Reading	
	A40	US-2,569,578	10/2/1951	Rieger	
	A41	US-2,571,709	10/16/1951	Gray	
	A42	US-2,576,074	11/20/1951	Nachtman	
	A43	US-2,587,630	3/4/1952	Konrad et al.	
	A44	US-2,619,454	11/25/1952	Zapponi	
	A45	US-2,633,452	3/31/1953	Hogaboom, Jr., et al.	
	A46	US-2,646,398	7/21/1953	Henderson	
	A47	US-2,656,283	10/20/1953	Fink et al.	
	A48	US-2,656,284	10/20/1953	Toulmin	
	A49	US-2,657,177	10/27/1953	Rendel	
	A50	US-2,657,457	11/3/1953	Toulmin	
	A51	US-2,673,836	3/30/1954	Vonada	
	A52	US-2,674,550	4/6/1954	Dunlevy et al.	
	A53	US-2,675,348	4/13/1954	Greenspan	
	A54	US-2,680,710	6/8/1954	Kenmore et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B10	JP 2000-218513 (English abstract)	8/8/2000	NEC Corp		X
	B11	JP 2001-179611 (English abstract)	7/3/2001	NEC Corp		X
	B12	JP 2001-244223 (English abstract)	9/7/2001	Hitachi Chem Co Ltd		X
	B13	KR 2003-037158 (English abstract)	5/12/2003	Samsung Electronics Co.		X
	B14	SU 1618538 (English abstract)	1/7/1991	Rredriyatie		X

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Sheet 4

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
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		Number-Kind Code ² (if known)			
	A55	US-2,684,939	7/27/1954	Geese	
	A56	US-2,689,215	9/14/1954	Bart	
	A57	US-2,695,269	11/23/1954	de Witz et al.	
	A58	US-2,696,859	12/14/1954	Somma	
	A59	US-2,698,832	1/4/1995	Swanson	
	A60	US-2,706,173	4/12/1955	Wells et al.	
	A61	US-2,706,175	4/12/1955	Licharz	
	A62	US-2,708,445	5/17/1955	Manson et al.	
	A63	US-2,710,834	6/14/1955	Vrilakas	
	A64	US-2,711,993	6/28/1955	Lyon	
	A65	US-3,162,588	12/22/1964	Bell	
	A66	US-3,334,041	8/1/1967	Dyer et al.	
	A67	US-3,433,730	3/18/1969	Kennedy et al.	
	A68	US-3,448,023	6/3/1969	Bell	
	A69	US-3,476,677	11/4/1969	Corley et al.	
	A70	US-3,607,707	9/21/1971	Chenevier	
	A71	US-3,873,512	3/25/1975	Latanision	
	A72	US-3,942,959	3/9/1976	Markoo, et al.	

A73

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B15	WO 93/15879	8/19/1993	3M Co.		
	B16	WO 99/41434	8/19/1999	ACM Research		
	B17	WO 99/53119	10/21/1999	ACM Research		
	B18	WO 99/65072	12/16/1999	Speedfam-IPEC Corp		
	B19	WO 00/03426	1/20/2000	ACM Research		

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	A73	US-3,992,178	11/16/1976	Markoo, et al.	
	A74	US-4,047,902	9/13/1977	Wiand	
	A75	US-4,082,638	4/4/1978	Jumer	
	A76	US-4,119,515	10/10/1978	Costakis	
	A77	US-4,125,444	11/14/1978	Inoue	
	A78	US-4,312,716	1/26/1982	Maschler et al.	
	A79	US-4,523,411	6/18/1985	Freerks	
	A80	US-4,704,511	11/3/1987	Miyano	
	A81	US-4,713,149	12/15/1987	Hoshino	
	A82	US-4,752,371	6/21/1988	Kreisel et al.	
	A83	US-4,772,361	9/20/1988	Dorsett, et al.	
	A84	US-4,934,102	6/19/1990	Leach, et al	
	A85	US-4,954,141	9/4/1990	Takiyama et al.	
	A86	US-4,956,056	9/11/1990	Zubatova, et al	
	A87	US-5,011,510	4/30/1991	Hayakawa, et al.	
	A88	US-5,061,294	10/29/1991	Harmer, et al.	
	A89	US-5,066,370	11/19/1991	Andreshak et al.	
	A90	US-5,096,550	3/17/1992	Mayer et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B20	WO 00/26443	5/11/2000	Nu Tool, Inc.		
	B21	WO 00/33356	06/08/2000	ACM Research		
	B22	WO 00/59645	10/12/2000	Ormet Corporation		
	B23	WO 00/59682	10/12/2000	Nu Tool, Inc.		
	B24	WO 01/13416	02/22/2001	Nu Tool, Inc.		

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	A91	US-5,108,463	4/28/1992	Buchanan	
	A92	US-5,137,542	8/11/1992	Buchanan, et al.	
	A93	US-5,203,884	4/20/1993	Buchanan, et al.	
	A94	US-5,235,139	8/10/1993	Bengston, et al.	
	A95	US-5,257,478	11/2/1993	Hyde et al.	
	A96	US-5,328,716	7/12/1994	Buchanan	
	A97	US-5,370,766	12/6/1994	Desaigoudar, et al.	
	A98	US-5,380,560	1/10/1995	Kaja, et al.	
	A99	US-5,478,435	12/26/1995	Murphy, et al.	
	A100	US-5,510,216	4/23/1996	Calabrese, et al.	
	A101	US-5,529,863	6/25/1996	Swirbel, et al.	
	A102	US-5,534,106	7/9/1996	Cote, et al.	
	A103	US-5,543,032	8/6/1996	Datta, et al.	
	A104	US-5,545,927	8/13/1996	Farooq, et al.	
	A105	US-5,560,753	10/1/1996	Schnabel et al.	
	A106	US-5,562,529	10/8/1996	Kishii, et al.	
	A107	US-5,567,300	10/22/1996	Datta, et al.	
	A108	US-5,575,706	11/19/1996	Tsai, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B25	WO 01/52307	07/19/2001	Nu Tool, Inc.		
	B26	WO 01/63018	08/30/2001	Nu Tool, Inc.		
	B27	WO 01/71066	09/27/2001	Nu Tool, Inc.		
	B28	WO 01/88229	11/22/2001	ACM Research		
	B29	WO 01/88954	11/22/2001	Nu Tool, Inc.		

Examiner

Date Considered

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
Submission Date	JUNE 29, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A109	US-5,578,362	11/26/1996	Reinhardt et al.	
	A110	US-5,624,300	4/29/1997	Kishii, et al.	
	A111	US-5,633,068	5/27/1997	Ryoke et al.	
	A112	US-5,654,078	8/5/1997	Ferronato	
	A113	US-5,674,122	10/7/1997	Krech	
	A114	US-5,702,811	12/30/1997	Ho et al.	
	A115	US-5,738,574	4/14/1998	Tolles, et al.	
	A116	US-5,755,859	5/26/1998	Brusic, et al.	
	A117	US-5,789,320	8/4/1998	Andricacos, et al.	
	A118	US-5,804,507	9/8/1998	Perlov, et al.	
	A119	US-5,807,165	9/15/1998	Uzoh, et al	
	A120	US-5,823,854	10/20/1998	Chen	
	A121	US-5,840,629	11/24/1998	Carpio	
	A122	US-5,840,190	11/24/1998	Scholander, et al.	
	A123	US-5,846,882	12/8/1998	Birang	
	A124	US-5,871,392	2/16/1999	Meikle et al.	
	A125	US-5,871,655	2/16/1999	Lee, et al.	
	A126	US-5,882,491	3/16/1999	Wardle	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B30	WO 02/064314	08/22/2002	Speedfam-IPEC Corp		
	B31	WO 02/075804	09/26/2002	Applied Materials		
	B32	WO 03/001581	01/03/2003	Micron Technology		

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Sheet 8

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
Submission Date	JUNE 29, 2005

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A127	US-5,893,796	4/13/1999	Birang et al.	
	A128	US-5,898,222	4/27/1999	Farooq, et al.	
	A129	US-5,938,801	8/17/1999	Robinson	
	A130	US-5,948,697	9/7/1999	Hata	
	A131	US-5,985,093	11/16/1999	Chen	
	A132	US-6,001,008	12/14/1999	Fujimori, et al.	
	A133	US-6,004,880	12/21/1999	Liu, et al	
	A134	US-6,017,265	1/25/2000	Cook et al.	
	A135	US-6,074,284	6/13/2000	Tani, et al.	
	A136	US-6,077,337	6/20/2000	Lee	
	A137	US-6,090,239	7/18/2000	Liu, et al	
	A138	US-6,091,488	7/18/2000	Bishop	
	A139	US-6,114,097	9/5/2000	Malba, et al.	
	A140	US-6,116,998	9/12/2000	Damgaard, et al.	
	A141	US-6,153,043	11/28/2000	Edelstein, et al.	
	A142	US-6,156,124	12/5/2000	Tobin	
	A143	US-6,159,079	12/12/2000	Zuniga, et al.	
	A144	US-6,176,998	1/23/2001	Wardle et al.	

FOREIGN PATENT DOCUMENTS

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Sheet 9

of 14

Application Number 10/026,854
Filing Date DECEMBER 20, 2001
First Named Inventor LI, ET AL.
Group Art Unit 3723
Examiner Name ALVIN J. GRANT
Attorney Docket Number AMAT/5765/PPC/CMP/AG
Submission Date JUNE 29, 2005

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A145	US-6,180,523	1/30/2001	Lee, et al.	
	A146	US-6,183,354	2/6/2001	Zuniga, et al.	
	A147	US-6,190,494	2/20/2001	Dow	
	A148	US-6,210,257	4/3/2001	Carlson	
	A149	US-6,238,271	5/29/2001	Cesna	
	A150	US-6,238,592	5/29/2001	Hardy et al.	
	A151	US-6,244,935	6/12/2001	Birang, et al.	
	A152	US-6,251,235	6/26/2001	Talieh, et al.	
	A153	US-6,255,187	7/3/2001	Hori	
	A154	US-6,261,168	7/17/2001	Jensen et al.	
	A155	US-6,261,959	7/17/2001	Travis, et al.	
	A156	US-6,265,086	7/24/2001	Harkness	
	A157	US-6,273,798	8/14/2001	Berman	
	A158	US-6,319,108	11/20/2001	Adefris, et al.	
	A159	US-6,319,420	11/20/2001	Dow	
	A160	US-6,326,303	12/4/2001	Robinson, et al.	
	A161	US-6,328,642	12/11/2001	Pant et al.	
	A162	US-6,328,872	12/11/2001	Talieh, et al.	

FOREIGN PATENT DOCUMENTS

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Sheet 10

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Application Number	10/026,854
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First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
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		Number-Kind Code ² (if known)			
	A163	US-6,331,135	12/18/2001	Sabde, et al.	
	A164	US-6,368,184	4/9/2002	Beckage	
	A165	US-6,368,190	4/9/2002	Easter, et al.	
	A166	US-6,372,001	4/16/2002	Omar, et al.	
	A167	US-6,381,169	4/30/2002	Bocian, et al.	
	A168	US-6,383,066	5/7/2002	Chen, et al.	
	A169	US-6,386,956	5/14/2002	Sato, et al.	
	A170	US-6,391,166	5/21/2002	Wang	
	A171	US-6,395,152	5/28/2002	Wang	
	A172	US-6,402,591	6/11/2002	Thornton	
	A173	US-6,406,363	6/18/2002	Xu et al.	
	A174	US-6,409,904	6/25/2002	Uzoh, et al.	
	A175	US-6,426,281	7/30/2002	Lin, et al.	
	A176	US-6,428,394	8/6/2002	Mooring et al.	
	A177	US-6,431,968	8/13/2002	Chen, et al.	
	A178	US-6,436,816	8/20/2002	Lee, et al.	
	A179	US-6,440,295	8/27/2002	Wang	
	A180	US-6,447,668	9/10/2002	Wang	

FOREIGN PATENT DOCUMENTS

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11

of 14

Application Number	10/026,854
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First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
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	A181	US-6,471,847	10/29/2002	Talieh, et al.	
	A182	US-6,475,332	11/5/2002	Boyd et al.	
	A183	US-6,486,530	11/26/2002	Sasagawa, et al.	
	A184	US-6,497,800	12/24/2002	Talieh, et al.	
	A185	US-6,515,336	2/4/2003	Suzawa, et al.	
	A186	US-6,517,426	2/11/2003	Lee	
	A187	US-6,520,843	2/18/2003	Halley	
	A188	US-6,537,140	3/25/2003	Miller, et al.	
	A189	US-6,537,144	3/25/2003	Tsai, et al.	
	A190	US-6,551,179	4/22/2003	Halley	
	A191	US-6,561,889	5/13/2003	Xu et al.	
	A192	US-6,569,004	5/27/2003	Pham	
	A193	US-6,572,463	6/3/2003	Xu et al.	
	A194	US-6,585,579	7/1/2003	Jensen et al.	
	A195	US-6,630,059	10/7/2003	Uzoh, et al.	
	A196	US-6,656,019	12/2/2003	Chen, et al.	
	A197	US-6,656,827	12/2/2003	Tsao, et al.	
	A198	US-6,685,548	2/3/2004	Chen, et al.	

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Application Number 10/026,854
 Filing Date DECEMBER 20, 2001
 First Named Inventor LI, ET AL.
 Group Art Unit 3723
 Examiner Name ALVIN J. GRANT
 Attorney Docket Number AMAT/5765/PPC/CMP/AG
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		Number-Kind Code ² (if known)			
	A199	US-6,739,951	5/25/2004	Sun, et al.	
	A200	US-6,752,700	6/22/2004	Duescher	
	A201	US-6,769,969	8/3/2004	Duescher	
	A202	US-6,848,977	2/1/2005	Cook et al.	
	A203	US-6,887,776	5/3/2005	Shang, et al.	
	A204	US-2001/0005667	6/28/2001	Tolles, et al.	
	A205	US-2001/0027018	10/4/2001	Molnar	
	A206	US-2001/0035354	11/1/2001	Ashjaee, et al.	
	A207	US-2001/0036746	11/1/2001	Sato et al.	
	A208	US-2001/0040100	11/15/2001	Wang	
	A209	US-2001/0055851	12/27/2001	Horii	
	A210	US-2002/0008036	1/24/2002	Wang	
	A211	US-2002/0011417	1/31/2002	Talieh, et al.	
	A212	US-2002/0020621	2/21/2002	Uzoh, et al.	
	A213	US-2002/0025760	2/28/2002	Lee et al.	
	A214	US-2002/0025763	2/28/2002	Lee et al.	
	A215	US-2002/0070126	6/13/2002	Sato, et al.	
	A216	US-2002/0077037	6/20/2002	Tietz	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Sheet 13

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
Submission Date	JUNE 29, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A217	US-2002/0088715	7/11/2002	Talieh, et al.	
	A218	US-2002/0108861	8/15/2002	Emesh et al.	
	A219	US-2002/0119286	8/29/2002	Chen et al.	
	A220	US-2002/0123300	9/5/2002	Jones, et al.	
	A221	US-2002/0127836	9/12/2002	Lin, et al.	
	A222	US-2002/0130049	9/19/2002	Chen et al.	
	A223	US-2002/0130634	9/19/2002	Ziemkowski, et al.	
	A224	US-2002/0146963	10/10/2002	Teetzel	
	A225	US-2002/0148732	10/17/2002	Emesh et al.	
	A226	US-2003/0013397	1/16/2003	Rhoades	
	A227	US-2003/0034131	2/20/2003	Park et al.	
	A228	US-2003/0040188	2/27/2003	Hsu, et al.	
	A229	US-2003/0104649	6/5/2003	Ozgur, et al.	
	A230	US-2003/0114087	6/19/2003	Duboust et al.	
	A231	US-2003/0116439	6/26/2003	Seo, et al.	
	A232	US-2003/0116445	6/26/2003	Sun et al.	
	A233	US-2003/0116446	6/26/2003	Duboust et al.	
	A234	US-2003/0213703	11/20/2003	Wang et al.	
	A235	US-2003/0220053	11/27/2003	Manens, et al	
	A236	US-2004/0026786	2/12/2004	Leu, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Sheet 14

of 14

Application Number	10/026,854
Filing Date	DECEMBER 20, 2001
First Named Inventor	LI, ET AL.
Group Art Unit	3723
Examiner Name	ALVIN J. GRANT
Attorney Docket Number	AMAT/5765/PPC/CMP/AG
Submission Date	JUNE 29, 2005

NON PATENT LITERATURE DOCUMENTS

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	C1	Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials", http://www.afrhorizons.com/Briefs/Sept02/ML0206.html , Date Unknown.	
	C2	Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6, June 1, 1997.	
	C3	Partial International Search / PCT Invitation to pay additional fees for PCT/US 02/11009 dated Nov. 14, 2002 (4100 PC 02)	
	C4	Notification regarding review of justification for invitation to pay additional fees for PCT/US/02/11009 (4100 PC 02) dated February 25, 2003.	
	C5	International Search Report for PCT/US 02/11009 (4100 EP 02) dated February 25, 2003.	
	C6	PCT Written Opinion dated April 1, 2003 for PCT/US02/11009. (4100 EP 02)	
	C7	Notification of Transmittal of International Preliminary Examination Report for PCT/US02/11009 dated November 10, 2003 (4100 EP 02)	
	C8	European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).	
	C9	Communication pursuant to Article 96(2) EPC for Application No. 02728965.4, dated June 11, 2004 (4100 EP 02)	
	C10	Copy of Search Report issued by the Austrian Patent Office for corresponding Singapore Patent Application No. 200302562-4, provided by letter dated October 7, 2004.	
	C11	Invitation to pay additional fees for PCT/US04/017827 dated November 11, 2004 (4100 P5 PCT)	
	C12	Notification of Transmittal of International Search Report and Written Opinion for PCT/US04/22722 dated February 21, 2005 (4100 PCT)	
	C13	PCT International Search Report and Written Opinion dated April 28, 2005 for PCT/US04/037870. (AMAT/4100PC09)	

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